

RECONFIGURABLE CACHE

Abstract

A reconfigurable cache memory includes a programmable memory unit; a functional unit in communication with the programmable memory unit, and reconfiguration module. The functional unit executes applications using the programmable memory unit. The reconfiguration module for determining an optimal configuration of memory for a particular application and programming the programmable memory unit to the optimal configuration. A method of reconfiguring cache memory includes determining an optimal configuration of memory for a particular application executed by a functional unit using a programmable memory unit and programming the programmable memory unit to the optimal configuration.

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